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Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF-078995
LEASE OR PERMIT TO PROSPECT 15-08-001-464

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company PACIFIC NORTHWEST PIPELINE CORP. Address 405 1/2 N. Hwy., Farmington, N. Mexico
 Lessor or Tract San Juan 3146 Field Blanco Mesa Verde State New Mexico
 Well No. 11-31 Sec. 31 T. 31N R. 6W Meridian N.M.P.M. County Rio Arriba
 Location 1120 ft. S. of N. Line and 1060 ft. W. of E. Line of Section 31 Elevation 6217'
 (Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Original signed by G. H. Peppin

Date September 10th, 1957 Title District Promotion Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling June 23, 1957 Finished drilling July 7, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5120' to 5510' No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from ~~None~~ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	432.75	3rd.	C.P. & I.	221.50	Top. Pat.				
7-5/8	264.40	3rd.	C.P. & I.	135.50	Guide				
7-1/2	19.	3rd.	C.P. & I.	232.77	Float w/ Burns Liner	hanger			3267.63
1-1/4	2.3	10rd.	Youngston	5509.47	(Tubing)				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	234.20	220	Pump Plug		
7-5/8	3357	270	Pump Plug		
5-1/2	5620	200	Pump Plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material..... Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%

emulsion: _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Vol 12 12 days

_____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	2112'	2112'	Surface
2112'	2260'	148'	Ojo Alamo
2260'	2792'	532'	Kirtland
2792'	3020'	228'	Fruitland
3020'	3254'	234'	Pictured Cliffs
3254'	5100'	1846'	Lewis
5100'	5145'	45'	Cliff House
5145'	5380'	235'	Menafee
5380'	5620'	240'	Point Lookout
5620'			Total Depth
5614'			Plug Back Total Depth

[OVER]

~~16-43094-2~~

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

8-16-57 Part - 5100-04, 5130-42, 5156-60, 5180-84, 5198-5200, 5272-76, 5282-86, 5312-48, 5382-5418, 5426-30, 5438-42, 5446-52, 5466-70, 5476-90, 5492-98, 5510-18.

Flac w/80,000 gals water. BD 1100#, MP 1200#, AP 1150#, IR before balls 70 BPM, ave IR 68 BPM. Used 340 balls. Flac thru perfs.

Logs: Jane Wells Gamma Ray-Neutron 29' to 5613', with Long Spaced Neutron, 2750' to 3370', and 4570' to 5613'.

08107 511

Maximum Deviation: 12° @ 5405'.

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DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20080

SECRET
NO FORN DISSEM
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